



PTO/SB/08A (08-03)

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Substitute for form 1440A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

**Complete if Known**

Application Number	10/719,914
Filing Date	November 21, 2003
First Named Inventor	Sartaj Kumar Sahni
Art Unit	
Examiner Name	
Attorney Docket Number	UF-318XC1

Sheet

1

of

4

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/S.C./	U1	US 4,251, 861	02-17-1981	Mago	All
/S.C./	U2	US 4,833, 468	05-23-1989	Larson <i>et al.</i>	All
/S.C./	U3	US 5,555,405	09-10-1996	Griesmer <i>et al.</i>	All
/S.C./	U4	US 5,701,467	12-23-1997	Freeston	All
/S.C./	U5	US 5,761,440	06-02-1998	De Marco <i>et al.</i>	All
/S.C./	U6	US 5,787,430	07-28-1998	Doeringer <i>et al.</i>	All
/S.C./	U7	US 5,909,440	06-01-1999	Ferguson <i>et al.</i>	All
/S.C./	U8	US 6,018, 524	01-25-2000	Turner <i>et al.</i>	All
/S.C./	U9	US 6,021,131	02-01-2000	Even	All
/S.C./	U10	US 6,041,053	03-21-2000	Douceur <i>et al.</i>	All
/S.C./	U11	US 6,061,712	05-09-2000	Tzeng	All
/S.C./	U12	US 6,092,072	07-18-2000	Guha <i>et al.</i>	All
/S.C./	U13	US 6,157,955	12-05-2000	Narad <i>et al.</i>	All
/S.C./	U14	US 6,212,184	04-03-2001	Venkatachary <i>et al.</i>	All
/S.C./	U15	US 6,266,706	07-24-2001	Brodnik <i>et al.</i>	All
/S.C./	U16	US 6,289,013	09-11-2001	Lakshman <i>et al.</i>	All
/S.C./	U17	US 6,335,932	01-01-2002	Kadambi <i>et al.</i>	All
/S.C./	U18	US 6,341,130	01-22-2002	Lakshman <i>et al.</i>	All

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/Sai Ming Chan/

Date  
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07/25/2007

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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>		<b>Complete if Known</b>			
		Application Number	10/719,914		
		Filing Date	November 21, 2003		
		First Named Inventor	Sartaj Kumar Sahni		
		Art Unit			
		Examiner Name			
Sheet	2	of	4	Attorney Docket Number	UF-318XC1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/S.C./	U19	US 2002/0009076	01-24-2002	Engbersen <i>et al.</i>	All
/S.C./	U20	US 6,522,632	02-18-2003	Waters <i>et al.</i>	All
/S.C./	U21	US 6,563,823	05-13-2003	Przygienda <i>et al.</i>	All
/S.C./	U22	US 6,581,106	06-17-2003	Crescenzi <i>et al.</i>	All

Examiner Signature	/Sai Ming Chan/	Date Considered	07/25/2007
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Substitute for form 1449B/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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## Complete if Known

Application Number	10/719,914
Filing Date	November 21, 2003
First Named Inventor	Sartaj Kumar Sahni
Group Art Unit	
Examiner Name	
Attorney Docket Number	UF-318XC1

Sheet	3	of	4
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## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
/S.C./	R1	DEGERMARK, MIKAEL, et al. (1997) "Small Forwarding Tables for Fast Routing Lookups" <i>ACM SIGCOMM Proceedings of the ACM SIGCOMM '97 conference on Applications, technologies, architectures, and protocols for computer communication</i> , pages 3-14.	
/S.C./	R2	DOERINGER, W., G. KARJOTH, and M. NASSEHI (1996) "Routing on longest-matching prefixes" <i>IEEE/ACM Transactions on Networking</i> , 4(1): pages 86-87.	
/S.C./	R3	ERGUN, FUNDA, et al. (2001) "A Dynamic Lookup Scheme for Bursty Access Patterns" <i>Proceedings of IEEE INFOCOM</i> pages 1-10.	
/S.C./	R4	GUPTA, P. and N. MCKEOWN (2000) "Dynamic algorithms with worst-case performance for packet classification" <i>IFIP Networking</i> pages 528-539.	
/S.C./	R5	LAMPSON, BUTLER, VENKATACHARY SRINIVASAN, and GEORGE VARGHESE (June 1999) "IP Lookups Using Multiway and Multicolumn Search" <i>IEEE/ACM Transactions on Networking Vol. 7, No. 3</i> , pages 324-334	
/S.C./	R6	LU, H. and SAHNI, S. (2003) "O (log n) dynamic router-tables for prefixes and ranges" <i>IEEE Symposium on Computers and Communications</i> , pages 1-42	
/S.C./	R7	NILSSON, STEFAN and GUNNAR KARLSSON (1998) "Fast address lookup for Internet routers" <i>Proceedings of IEEE Broadband Communications</i> (enclosed copy pages numbered 9-18).	
/S.C./	R8	RUIZ-SANCHEZ, M., E. BIRSACK, and W. DABBOUS (Mar/Apr 2001) "Survey and taxonomy of IP address lookup algorithms" <i>IEEE Network</i> , 15(2): pages 8-23.	
/S.C./	R9	SAHNI, SARTAJ and KUN SUK KIM "Data Structures of IP Lookup with Bursty Access Patterns" <a href="http://www.cise.uffi.edu/~sahni">www.cise.uffi.edu/~sahni</a> (enclosed copy pages numbered 1-5)	
/S.C./	R10	SAHNI, SARTAJ and KUN SUK KIM (2001) "Efficient Construction of Fixed-Stride Multibit Tries for IP Lookup" <i>Proceedings of 8<sup>th</sup> IEEE Workshop on Future Trends of Distributed Computing Systems</i> pages 178-184 (enclosed copy pages numbered 1-7).	

Examiner  
Signature

/Sai Ming Chan/

Date

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Substitute for form 1449B/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)			<b>Complete if Known</b>		
			Application Number	10/719,914	
			Filing Date	November 21, 2003	
			First Named Inventor	Sartaj Kumar Sahni	
			Group Art Unit		
			Examiner Name		
Sheet	4	of	4	Attorney Docket Number	UF-318XC1

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue, number(s), publisher, city and/or country where published.	T <sup>2</sup>
/S.C./	R11	SAHNI, SARTAJ and KUN SUK KIM (2002) "Efficient Construction of Variable-Stride Multibit Tries for IP Lookup" <i>Proceedings of IEEE Symposium on Applications and the Internet (SAINT)</i> pages 220-229 (enclosed copy pages numbered 1-8).	
/S.C./	R12	SAHNI, SARTAJ and KUN SUK KIM (July 2002) "O(log n) Dynamic Packet Routing" <i>7<sup>th</sup> IEEE Symposium on Computers and Communications</i> . Pages 1-29	
/S.C./	R13	SAHNI, SARTAJ, KUN SUK KIM, and HAIBIN LU (May 2002) "Data Structures for One-Dimensional Packet Classification Using Most-Specific-Rule Matching" <i>International Symposium on Parallel Architectures, Algorithms, and Networks (ISPAN)</i> pages 3-14 (enclosed copy pages numbered 1-12).	
/S.C./	R14	SKLOWER, KEITH (1991) "A Tree-Based Packet Routing Table for Berkeley Unix" <i>Proceedings of 1991 Winter USENIX Conference</i> pages 93-99 (enclosed copy pages numbered 1-4).	
/S.C./	R15	SRINIVASAN, V. and G. VARGHESE (Feb. 1999) "Faster IP Lookups Using Controlled Prefix Expansion" <i>ACM Transactions on Computer Systems</i> Vol.17, issue 1, pages 1-40 (enclosed copy pages numbered 1-21).	
/S.C./	R16	SURI, S., G. VARGHESE, and P. WARKHEDE (2001) "Multiway range trees: Scalable IP lookup with fast updates" <i>Proceedings of Globecom '01</i> .	
/S.C./	R17	WALDVOGEL, MARCEL et al. (1997) "Scalable High Speed IP Routing Lookups" <i>Proceedings of the ACM SIGCOMM '97 Conference on Applications, technologies, architectures, and protocols for computer communication</i> . pages 25-36 (enclosed copy pages numbered 1-12).	
	R18		
	R19		
	R20		
	R21		
	R22		

Examiner Signature	/Sai Ming Chan/	Date Considered	07/25/2007
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<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			<b>Complete if Known</b>		
			Application Number	10/719,914	
			Filing Date	November 21, 2003	
			First Named Inventor	Sahni	
			Art Unit		
			Examiner Name		
Sheet	1	of	1	Attorney Docket Number	UF-318XC1

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Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/S.C./	U1	US-6,533,370 B1	04-22-03	Andreev et al.	U All
/S.C./	U2	US 6,675,157 B1	01-06-04	Mitchell	U All
	U3				
	U4				
	U5				
	U6				
	U7				
	U8				

Examiner Signature	/Sai Ming Chan/	Date Considered	01/11/2008
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